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- => file agricola biosis caplus caba
- => s cellulase and review
- 944 CELLULASE AND REVIEW
- => duplicate remove 11
- 882 DUPLICATE REMOVE L1 (62 DUPLICATES REMOVED)
- => d ti 1-50
- ANSWER 1 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Useful microbial enzymes TΙ
- ANSWER 2 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Properties of cellulases produced by Aspergillus oryzae and its effect on Sake moromi fermentation
- ANSWER 3 OF 882 CABA COPYRIGHT 2004 CABI on STN 1.2
- Production of enzymes for environmental applications a review. TΙ
- L2 ANSWER 4 OF 882 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1
- Thermostable and alkaline-tolerant microbial cellulase-free TТ xylanases produced from agricultural wastes and the properties required for use in pulp bleaching bioprocesses: a review.
- ANSWER 5 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- TTNew methods for architectures of glyco-materials
- L2 ANSWER 6 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Glycomics on plants TT
- L2 ANSWER 7 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Cellulases in food processing TΙ
- L2 ANSWER 8 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Methodologies for assaying the hydrolysis of cellulose by cellulases TT
- ANSWER 9 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- ΤI Sub-Angstrom resolution enzyme x-ray structures: is seeing believing?
- ANSWER 10 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- TT Comparative genomics of cellulolytic microorganisms
- L2 ANSWER 11 OF 882 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN
- TΙ Regulation of gene expression in industrial fungi: Trichoderma.
- ANSWER 12 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- TТ Application of microbial genes to recalcitrant biomass utilization and environmental conservation
- ANSWER 13 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- Anti-inflammatory constituents, aloesin and aloemannan in Aloe species and effects of tanshinone VI in Salvia miltiorrhiza on heart
- ANSWER 14 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- TΙ Study progress of cellulase
- ANSWER 15 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN Amplification of  ${\tt cellulase}$  genes and  ${\tt cellulase}$ L2
- TT hyperproducers in Trichoderma: Minireview
- ANSWER 16 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- TΤ Research progress of exogenous enzymes in tea processing
- ANSWER 17 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- ΤI Carbohydrate-active enzymes from alkaliphiles
- L2 ANSWER 18 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Clavibacter michiganensis subsp. michiganensis: First steps in the understanding of virulence of a Gram-positive phytopathogenic bacterium
- ANSWER 19 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- Deinking mechanism of cellulase TΙ
- ANSWER 20 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2

- TI Enzyme stabilization recent experimental progress
- L2 ANSWER 21 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Some future aspects in wet end chemistry
- L2 ANSWER 22 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Cellulose-binding domains: Tools for innovation in cellulosic fiber production and modification
- L2 ANSWER 23 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- TI Regulation of Trichoderma **cellulase** formation: Lessons in molecular biology from an industrial fungus: A **review**.
- L2 ANSWER 24 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI The cellulosome a nano-machine for the degradation of cellulose
- L2 ANSWER 25 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Modulation of wood fibers and paper by cellulose-binding domains
- L2 ANSWER 26 OF 882 CABA COPYRIGHT 2004 CABI on STN
- TI Application of microbial genes for utilization of biomass.
- L2 ANSWER 27 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Mechanism of cellulase action on cellulose structure
- L2 ANSWER 28 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Production technology for biomass ethanol
- L2 ANSWER 29 OF 882 CABA COPYRIGHT 2004 CABI on STN
- TI [Application and effects of enzymes in animal feed with a **review** of our legislative regulations].

  Primjena i djelovanje enzima u ishrani stoke s osvrtom na nasu zakonsku regulativu.
- L2 ANSWER 30 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Microbial pretreatment of biomass. Potential for reducing severity of thermochemical biomass pretreatment
- L2 ANSWER 31 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Enzymes in textile wet processing
- L2 ANSWER 32 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Tailed enzymes
- L2 ANSWER 33 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Search for useful enzymes from marine invertebrates
- L2 ANSWER 34 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- ${\tt TI}$  Developments in industrially important thermostable enzymes: A  ${\tt review}.$
- L2 ANSWER 35 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI The cellulases and their application in degrading agroindustrial waste
- L2 ANSWER 36 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Thermomyces lanuginosus: properties of strains and their hemicellulases
- L2 ANSWER 37 OF 882 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

  (2004) on STN DUPLICATE 3
- TI Towards understanding the role of membrane-bound endo-beta-1,4-glucanases in cellulose biosynthesis.
- L2 ANSWER 38 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI The Structure and Mechanism of Action of Cellulolytic Enzymes
- L2 ANSWER 39 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Improvement of material utilization in sake moromi brewing by addition of cell wall macerating enzymes
- L2 ANSWER 40 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Analyses and utilization of complex microbial community
- L2 ANSWER 41 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Enzymes
- L2 ANSWER 42 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Creating biodegradable plastics from paper mill sludge
- L2 ANSWER 43 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- ${\tt TI}$  Ethanol production from woody biomass

- ANSWER 44 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- Hyperthermostable cellulolytic and hemicellulolytic enzymes and their TΙ biotechnological applications
- 1.2 ANSWER 45 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TIProgress of study on enzymic hydrolysis of chitosan
- ANSWER 46 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN L2
- TT Microbial cellulases (Review).
- ANSWER 47 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- TI Anti-infective agents produced by the hyphomycetes genera Trichoderma and Gliocladium
- ANSWER 48 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2:
- TΤ Microbial cellulases
- ANSWER 49 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- Recent progress in cellulose biosynthesis ΤI
- L2 ANSWER 50 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- Changes in cell wall components and related hydrolytic enzymes in fruit TΙ softening
- => d bib abs 48 46 38 37 35 34 27 23 26 15
- L2 ANSWER 48 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- 2002:676502 CAPLUS ΑN
- DΝ 137:290725
- TΙ Microbial cellulases
- Rabinovich, M. L.; Melnik, M. S.; Bolobova, A. V. AU
- CS Bach Inst. of Biochemistry, Russian Academy of Sciences, Moscow, 119071,
- SO Applied Biochemistry and Microbiology (Translation of Prikladnaya Biokhimiya i Mikrobiologiya) (2002), 38(4), 305-321 CODEN: APBMAC; ISSN: 0003-6838
- PB MAIK Nauka/Interperiodica Publishing
- DT Journal; General Review
- LA English
- Compns. of cellulase-hemicellulase systems AB of aerobic fungi (hyphomycetes, ascomycetes, and basidiomycetes), aerobic bacteria, actinomycetes, as well as anaerobic fungi and bacteria, are considered in the context of the modern structural classification of glycosyl hydrolases. A new nomenclature of cellulases and relative enzymes based on their structural classification is reviewed. Some opportunities of cellulase improvement by means of protein engineering are discussed.
- THERE ARE 98 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 98 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L2 ANSWER 46 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- ΑN 2002:584157 BIOSIS
- DN PREV200200584157
- Microbial cellulases (Review). TΤ
- Rabinovich, M. L. [Reprint author]; Melnick, M. S. [Reprint author]; ΑU Bolobova, A. V. [Reprint author]
- A.N. Bach Institute of Biochemistry, Russian Academy of Sciences, Leninskii Pr. 33, Moscow, 119071, Russia mrabinovich@inbi.ras.ru
- Prikladnaya Biokhimiya i Mikrobiologiya, (July-August, 2002) Vol. 38, No. 4, pp. 355-373. print.
  - CODEN: PBMIAK. ISSN: 0555-1099.
- DТ Article General Review; (Literature Review)
- LA Russian
- Entered STN: 13 Nov 2002 ED
  - Last Updated on STN: 13 Nov 2002
- AΒ Compositions of cellulase-hemicellulase systems of aerobic fungi (hyphomycetes, ascomycetes, and basidiomycetes), aerobic bacteria, actinomycetes, as well as anaerobic fungi and bacteria, are considered in the context of modern structural classification of glycosyl hydrolases. A new nomenclature of cellulases and relative enzymes based on their structural classification is reviewed. Some opportunities of cellulase improvement by means of protein engineering are discussed.
- ANSWER 38 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN L2
- ΑN 2002:663818 CAPLUS
- DΝ 138:35047
- TΙ The Structure and Mechanism of Action of Cellulolytic Enzymes

- ΑU Rabinovich, M. L.; Melnick, M. S.; Bolobova, A. V.
- CS Bach Institute of Biochemistry, Russian Academy of Sciences, Moscow, 119071, Russia
- Biochemistry (Moscow, Russian Federation) (Translation of Biokhimiya (Moscow, Russian Federation)) (2002), 67(8), 850-871 CODEN: BIORAK: ISSN: 0006-2979
- PB MAIK Nauka/Interperiodica Publishing
- Journal; General Review DT
- English I.A
- AΒ A review. The modern structural classification of polysaccharases comprising cellulase-hemicellulase enzyme systems is discussed. Their catalytic domains are currently grouped into  $15\ \mathrm{of}\ \mathrm{more}\ \mathrm{than}\ 80\ \mathrm{known}\ \mathrm{glycosyl}\ \mathrm{hydrolase}\ \mathrm{families},\ \mathrm{whereas}\ \mathrm{substrate}$ binding domains fall into 13 families. The structures of catalytic and substrate binding domains, as well as linker sequences, are briefly considered. A hypothetical mechanism of concerted action of catalytic and substrate binding domains of cellobiohydrolases on the surface of highly ordered cellulose is suggested.
- THERE ARE 89 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 89 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- ANSWER 37 OF 882 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 3
- 2003:25193 AGRICOLA ΑN
- DN IND23319747
- Towards understanding the role of membrane-bound endo-beta-1,4-glucanases TΤ in cellulose biosynthesis.
- Molhoj, M.; Pagant, S.; Hofte, H.
- ΑV DNAL (450 P699)
- Plant and cell physiology, Dec 2002. Vol. 43, No. 12. p. 1399-1406 SO Publisher: Kyoto, Japan : Japanese Society of Plant Physiologists. CODEN: PCPHA5; ISSN: 0032-0781
- NTE Includes references
- Japan CY
- Article; (SURVEY OF LITURATURE) DT
- Non-U.S. Imprint other than FAO
- English LA
- Recent studies have highlighted the involvement of membrane-anchored AB endo-beta-1,4-glucanases in cellulose biosynthesis in plants, suggesting that there are parallels with Agrobacterium tumefaciens and other bacteria which also require endo-beta-1,4-qlucanases for cellulose synthesis. This review summarises recent literature on endo-beta-1,4-glucanases and their role in plant development and addresses the possible functions of membrane-anchored isoforms in the synthesis of cellulose.
- ANSWER 35 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN 1.2
- ΑN 2003:431203 CAPLUS
- DN 139:137734
- TTThe cellulases and their application in degrading agroindustrial waste
- Schwarz, Wolfgang H. AU
- CS Institute for Microbiology, Technical University of Muenchen, Freising, D-85350, Germany
- SO Revista Colombiana de Biotecnologia (2003), Volume Date 2002, 4(1), 6-13 CODEN: RCBEAG; ISSN: 0123-3475
- PB Universidad Nacional de Colombia, Instituto de Biotecnologia
- DT Journal: General Review
- LA English
- A review concerning enzymic hydrolysis of agro-industrial waste AB cellulose by its natural degraders, anaerobic bacteria, is given. Topics discussed include: bio-processing of lignocellulosic biomass (what is cellulose, cellulose-degrading bacteria,; cellulosome structure, why so many components, carbohydrate binding mols.); and future perspectives of applying cellulases.
- THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 21 ALL CITATIONS AVAILABLE IN THE RE FORMAT
- ANSWER 34 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN 1.2
- 2003:333221 BIOSIS
- DN PREV200300333221
- Developments in industrially important thermostable enzymes: A TΤ review.
- Haki, G. D.; Rakshit, S. K. [Reprint Author]
- Bioprocess Technology Program, Asian Institute of Technology (AIT), Klong Luang, P.O. Box 4, Pathumthani, 12120, Thailand rakshit@ait.ac.th
- Bioresource Technology, (August 2003) Vol. 89, No. 1, pp. 17-34. print. SO CODEN: BIRTEB. ISSN: 0960-8524.
- DT Article
- - General Review; (Literature Review)
- English LA

ED Entered STN: 16 Jul 2003 Last Updated on STN: 16 Jul 2003

- Cellular components of thermophilic organisms (enzymes, proteins and nucleic acids) are also thermostable. Apart from high temperature they are also known to withstand denaturants of extremly acidic and alkaline conditions. Thermostable enzymes are highly specific and thus have considerable potential for many industrial applications. The use of such enzymes in maximising reactions accomplished in the food and paper industry, detergents, drugs, toxic wastes removal and drilling for oil is being studied extensively. The enzymes can be produced from the thermophiles through either optimised fermentation of the microorganisms or cloning of fast-growing mesophiles by recombinant DNA technology. In this review, the source microorganisms and properties of thermostable starch hydrolysing amylases, xylanases, cellulases, chitinases, proteases, lipases and DNA polymerases are discussed. The industrial needs for such specific thermostable enzyme and improvements required to maximize their application in the future are also suggested.
- L2 ANSWER 27 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2003:163735 CAPLUS
- DN 138:217237
- TI Mechanism of cellulase action on cellulose structure
- AU Kanda, Takahisa
- CS Dep. Chem. Mater. Eng., Fac. Eng., Shinshu Univ., Nagano, 380-8553, Japan
- Journal of Applied Glycoscience (2003), 50(1), 77-81
  - CODEN: JAGLEX; ISSN: 1344-7882
- PB Japanese Society of Applied Glycoscience
- DT Journal; General Review
- LA Japanese
- AB A review. The mode of degradation of native cellulose has not been fully established. The mode of hydrolysis of highly purified cellulases, exo- and endo-type cellulases form fungi (Irpex lacteus, Trichoderma reesei and Aspergillus niger) were investigated by using pure cellulosic materials with different crystallinities of cellulose I type in addition to bacterial celluloses of two type different types (cellulose I and II) and valonia cellulose. At the same time, we also investigated the hydrolysis action of exo- and endo-type cellulases by using water soluble substrates such as cellooligosaccharide and barley glucan. From these results, it was found that the characteristic mode of action of each cellulase can be clearly understood by using only pure crystalline cellulosic substrates. Furthermore, we will describe the synergistic actions of cellulase components in addition to related enzyme on cellulose degradation in this paper.
- L2 ANSWER 23 OF 882 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
- DUPLICATE 2

TΙ

AU

- AN 2003:462690 BIOSIS
- DN PREV200300462690
  - Regulation of Trichoderma **cellulase** formation: Lessons in molecular biology from an industrial fungus: A **review**.
  - Schmoll, Monika [Reprint Author]; Kubicek, C. P. [Reprint Author]
- CS Area Molecular Biotechnology, Section Applied Biochemistry and Gene Technology, Institute for Chemical Engineering, Vienna University of Technology, Getreidemarkt 9/1665, A-1060, Wien, Austria
- SO Acta Microbiologica et Immunologica Hungarica, (2003) Vol. 50, No. 2-3, pp. 125-145. print.
  ISSN: 1217-8950 (ISSN print).
- DT Article
  - General Review; (Literature Review)
- LA English
- ED Entered STN: 8 Oct 2003
  - Last Updated on STN: 8 Oct 2003
- The present article reviews the current understanding of regulation of cellulase gene transcription in Hypocrea jecorina (= Trichoderma reesei). Special emphasis is put on the mechanism of action of low molecular weight inducers of cellulase formation, the presence and role of recently identified transactivating proteins (Acel, Ace2, Hap2/3/5), and the role of the carbon catabolite repressor Crel. We also report on some recent genomic approaches towards understanding how cellulase inducers signal their presence to the transcriptional apparatus.
- L2 ANSWER 26 OF 882 CABA COPYRIGHT 2004 CABI on STN
- AN 2003:172442 CABA
- DN 20033138113
- TI Application of microbial genes for utilization of biomass
- AU Kubo, S.; Morimoto, K.; Taguchi, H.; Kikuta, T.; Kimura, T.; Sakka, K.; Ohmiya, K.
- S Suzuka International University, Junior College, 1250 Syouno-cho, Suzuka, Mie 513-8520, Japan. ohmiya@bio.mie-u.ac.jp
- SO Bulletin of the Faculty of Bioresources, Mie University, (2003) No. 30, pp. 115-121. 24 ref.
  Publisher: Faculty of Bioresources, Mie University. Tsu

ISSN: 0915-0471

- CY Japan
- DT Journal
- LA Japanese
- SL English
  - Entered STN: 20031107

Last Updated on STN: 20031107

AB Microbial genes encoding cellulases, xylanases, chitinases and hydrogenases were expressed in plants and anaerobic bacteria for the effective degradation and conversion of un-utilized fibrous biomass to some nutrients and energy compounds. In this review, it was shown that these transgenic plants and bacteria work to convert un-utilized biomass to valuable materials. The effective ways to utilize biomass are also discussed.

- L2 ANSWER 15 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2003:830935 CAPLUS
- DN 140:58468
- TI Amplification of cellulase genes and cellulase

hyperproducers in Trichoderma: Minireview

- Toyama, H.; Hotta, T.; Yamagishi, N.; Toyama, N.
- CS Department of Food Science and Technology, Faculty of Horticulture, Minamikyushu University, Miyazaki, 884-0003, Japan SO ACS Symposium Series (2003), 855(Applications of Enzymes to
- SO ACS Symposium Series (2003), 855(Applications of Enzymes to Lignocellulosics), 304-314 CODEN: ACSMC8; ISSN: 0097-6156
- PB American Chemical Society
- DT Journal: General Review
- LA English
  - A review. Nuclear diameter in conidia and mycelia of Trichoderma reesei could be enlarged by a mitotic arrester, colchicine. This result means that chromosomes, including cellulase genes can be amplified by such reagent. Using this reaction, we constructed cellulase hyperproducers of this fungus. A haploidizing reagent, Benomyl, was used in order to carry out chromosomal (genetical) recombination. As the primary selection, double layer selection medium including selection substrates, Avicel, wood powder, or absorbent cotton contributed to selecting hyperproducers. As the secondary selection, Avicel liquid medium test could be used. In this report, we demonstrate the nuclear changes by colchicine treatment and the consequent pathway of selection of cellulase hyperproducers in Trichoderma.
- RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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- L2 ANSWER 51 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Efficient synthetic method of obtaining oligosaccharide units and derivatives utilizing endoglycosidases
- L2 ANSWER 52 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Why do plants need cellulase?
- L2 ANSWER 53 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Microbial enzymes in the biocontrol of plant pathogens and pests
- L2 ANSWER 54 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Progress of alkaline cellulase that use in laundry detergents
- L2 ANSWER 55 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Trapping covalent intermediates on  $\beta$ -glycosidases
- L2 ANSWER 56 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Role of biotechnology in finishing of denim fabrics
- L2 ANSWER 57 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Recent advanced technology of detergent enzymes
- L2 ANSWER 58 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Possibility of constructing as a polynuclear Shiitake mushroom by autopolyploidization and haploisization
- L2 ANSWER 59 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Polymorphism of cellulases
- L2 ANSWER 60 OF 882 CABA COPYRIGHT 2004 CABI on STN
- TI [Tolerance mechanisms of "Saracura" (BRS 4154) maize variety to flooding]. Mecanismos de tolerancia da variedade de milho "Saracura" (BRS 4154) ao alagamento.
- L2 ANSWER 61 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN

## TI Cellulase

- L2 ANSWER 62 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Application study on microbial cellulase
- L2 ANSWER 63 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI New insights into cellulose degradation by cellulases and related enzymes
- L2 ANSWER 64 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Development of hypoallergenic wheat flour and analysis of its allergy preventive and curative effects
- L2 ANSWER 65 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Reconsideration on fungal system of cellulose biodegradation
- L2 ANSWER 66 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Application of the remarkable capabilities of extremophiles
- L2 ANSWER 67 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Enzyme based eco-friendly detergents
- L2 ANSWER 68 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Development of marine silage for the young of shells and fishes by protoplasting and fermenting seaweeds
- L2 ANSWER 69 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- $\mbox{TI}$   $\,$  Improved biochemical methods for the characterization of  $\mbox{\it cellulase}$  activity and mode of action
- L2 ANSWER 70 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Development of cellulase production by bacteria fermentation
- L2 ANSWER 71 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI The Japan wood research society prize for 2001: Fruiting properties on growth of edible basidiomycete
- L2 ANSWER 72 OF 882 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

  (2004) on STN DUPLICATE 4
- TI Hydrolysis of lignocellulosic materials for ethanol production: a review.
- L2 ANSWER 73 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- II Trichoderma reesei cellulases in processing of cotton
- L2 ANSWER 74 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI In vitro synthesis of cellulose and related polysaccharides
- L2 ANSWER 75 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- TI Cell surface display: A novel expression system of proteins

## => d bib abs 61

- L2 ANSWER 61 OF 882 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 2002:961927 CAPLUS
- DN 138:384257
- TI Cellulase
- AU Uzura, Kensaku
- CS Dept. of Bioproduction, Nagase Chemtex Co., Ltd., Japan
- SO Bio Industry (2002), 19(11), 38-44 CODEN: BIINEG; ISSN: 0910-6545
- PB Shi Emu Shi Shuppan
- DT Journal; General Review
- LA Japanese
- AB A review on the origin, enzymic properties, classification, and application of cellulase in food industry.
- => logoff hold

STN INTERNATIONAL SESSION SUSPENDED AT 14:34:36 ON 24 JUN 2004